

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/419788

CRF Processing Date: 2/17/2000  
 Edited by: 1643  
 Verified by: 1643 (STIC staff)

- ENTERED**
- ☐ Changed a file from non-ASCII to ASCII .
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:
- ☐ Deleted extra, invalid, headings used by an applicant, specifically:
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_.
- ☒ Inserted mandatory headings, specifically: <400719
- ☐ Corrected an obvious error in the response, specifically:
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

RECEIVED  
 MAR-9 2000  
 TC-1600 MAIL ROOM

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form. 3/1/95

N/A

1643

PAGE: 1

# RAW SEQUENCE LISTING

## PATENT APPLICATION US/09/419,788

 DATE: 02/17/2000  
 TIME: 14:38:26

Input Set: I419788.RAW

This Raw Listing contains the General  
 Information Section and those Sequences  
 containing ERRORS.

Does Not Comply  
 Corrected Diskette Needed

1 <110> FISCHER, Rainer  
 2 SCHILLBERG, Stefan  
 3 NAHRING, Jorg  
 4 SACK, Markus  
 5 MONECKE, Michael  
 6 LIAO, Yu-Cai  
 7 SPIEGEL, Holger  
 8 ZIMMERMAN, Sabine  
 9 EMANS, Neil  
 10 <120> Molecular Pathogenicide Mediated Plant Disease  
 11 Resistance  
 12 <130> 0147-0189P  
 13 <140> US/09/419,788  
 14 <141> 1999-10-18  
 15 <150> 98 11 9630.6 EP  
 16 <151> 1998-10-16  
 17 <150> 66/BOM/1998 INDIA  
 18 <151> 1998-10-16  
 19 <160> 163  
 20 <170> PatentIn Ver. 2.1

E--> OK

## ERRORED SEQUENCES FOLLOW

21 <210> 19  
 22 <211> 1060  
 23 <212> PRT  
 24 <213> Artificial Sequence  
 25 <220>  
 26 <223> Description of Artificial Sequence: synthetic, no  
 27 natural origin  
 28 Met Gln Ile Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro  
 29 1 5 10 15  
 30 Gly Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val Ser Lys  
 31 20 25 30  
 32 Met Gln Trp Tyr Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg Trp Ile  
 33 35 40 45  
 34 Tyr Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Gly Arg Phe Ser Gly  
 35 50 55 60  
 36 Ser Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala  
 37 65 70 75 80  
 38 Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Ser Asn Pro Leu  
 39 85 90 95

E--> OK

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/419,788

DATE: 02/17/2000  
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Input Set: I419788.RAW

40	Thr Phe Gly Ala Gly Thr Lys Leu Glu Ile Lys Gly Ser Thr Ser Gly	
41	100	105 110
42	Ser Gly Lys Ser Ser Glu Gly Lys Gly Glu Val Gln Leu Gln Gln Ser	
43	115	120 125
44	Gly Pro Glu Leu Val Asn Pro Gly Ala Ser Val Lys Met Ser Cys Lys	
45	130	135 140
46	Ala Ser Gly Tyr Thr Phe Ile Thr Tyr Val Met His Trp Val Lys Gln	
47	145	150 155 160
48	Lys Pro Gly Gln Gly Leu Glu Trp Ile Gly Tyr Ile Asn Pro Asn Lys	
49	165	170 175
50	Asp Gly Thr Lys Phe Asn Glu Lys Phe Lys Gly Lys Ala Thr Leu Thr	
51	180	185 190
52	Ser Asp Lys Ser Ser Asn Thr Ala Tyr Met Glu Leu Ser Ser Leu Thr	
53	195	200 205
54	Ser Glu Asp Ser Ala Val Tyr Tyr Cys Ala Arg Asp Tyr Asp Tyr Asp	
55	210	215 220
56	Trp Phe Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ala Val	
57	225	230 235 240
58	Asp Gly Gly Gly Ser Met Lys Arg Met Leu Ile Asn Ala Thr Gln Gln	
59	245	250 255
60	Glu Glu Leu Arg Val Ala Leu Val Asp Gly Gln Arg Leu Tyr Asp Leu	
61	260	265 270
62	Asp Ile Glu Ser Pro Gly His Glu Gln Lys Lys Ala Asn Ile Tyr Lys	
63	275	280 285
64	Gly Lys Ile Thr Arg Ile Glu Pro Ser Leu Glu Ala Ala Phe Val Asp	
65	290	295 300
66	Tyr Gly Ala Glu Arg His Gly Phe Leu Pro Leu Lys Glu Ile Ala Arg	
67	305	310 315 320
68	Glu Tyr Phe Pro Ala Asn Tyr Ser Ala His Gly Arg Pro Asn Ile Lys	
69	325	330 335
70	Asp Val Leu Arg Glu Gly Gln Glu Val Ile Val Gln Ile Asp Lys Glu	
71	340	345 350
72	Glu Arg Gly Asn Lys Gly Ala Ala Leu Thr Thr Phe Ile Ser Leu Ala	
73	355	360 365
74	Gly Ser Tyr Leu Val Leu Met Pro Asn Asn Pro Arg Ala Gly Gly Ile	
75	370	375 380
76	Ser Arg Arg Ile Glu Gly Asp Asp Arg Thr Glu Leu Lys Glu Ala Leu	
77	385	390 395 400
78	Ala Ser Leu Glu Leu Pro Glu Gly Met Gly Leu Ile Val Arg Thr Ala	
79	405	410 415
80	Gly Val Gly Lys Ser Ala Glu Ala Leu Gln Trp Asp Leu Ser Phe Arg	
81	420	425 430
82	Leu Lys His Trp Glu Ala Ile Lys Lys Ala Ala Glu Ser Arg Pro Ala	
83	435	440 445
84	Pro Phe Leu Ile His Gln Glu Ser Asn Val Ile Val Arg Ala Phe Arg	
85	450	455 460
86	Asp Tyr Leu Arg Gln Asp Ile Gly Glu Ile Leu Ile Asp Asn Pro Lys	
87	465	470 475 480
88	Val Leu Glu Leu Ala Arg Gln His Ile Ala Ala Leu Gly Arg Pro Asp	
89	485	490 495

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90	Phe Ser Ser Lys Ile Lys Leu Tyr Thr Gly Glu Ile Pro Leu Phe Ser	
91	500	505 510
92	His Tyr Gln Ile Glu Ser Gln Ile Glu Ser Ala Phe Gln Arg Glu Val	
93	515	520 525
94	Arg Leu Pro Ser Gly Gly Ser Ile Val Ile Asp Ser Thr Glu Ala Leu	
95	530	535 540
96	Thr Ala Ile Asp Ile Asn Ser Ala Arg Ala Thr Arg Gly Gly Asp Ile	
97	545	550 555 560
98	Glu Glu Thr Ala Phe Asn Thr Asn Leu Glu Ala Ala Asp Glu Ile Ala	
99	565	570 575
100	Arg Gln Leu Arg Leu Arg Asp Leu Gly Gly Leu Ile Val Ile Asp Phe	
101	580	585 590
102	Ile Asp Met Thr Pro Val Arg His Gln Arg Ala Val Glu Asn Arg Leu	
103	595	600 605
104	Arg Glu Ala Val Arg Gln Asp Arg Ala Arg Ile Gln Ile Ser His Ile	
105	610	615 620
106	Ser Arg Phe Gly Leu Leu Glu Met Ser Arg His Arg Leu Ser Pro Ser	
107	625	630 635 640
108	Leu Gly Glu Ser Ser His His Val Cys Pro Arg Cys Ser Gly Thr Gly	
109	645	650 655
110	Thr Val Arg Asp Asn Glu Ser Leu Ser Leu Ser Ile Leu Arg Leu Ile	
111	660	665 670
112	Glu Glu Glu Ala Leu Lys Glu Asn Thr Gln Glu Val His Ala Ile Val	
113	675	680 685
114	Pro Val Pro Ile Ala Ser Tyr Leu Leu Asn Glu Lys Arg Ser Ala Val	
115	690	695 700
116	Asn Ala Ile Glu Thr Arg Gln Asp Gly Val Arg Cys Val Ile Val Pro	
117	705	710 715 720
118	Asn Asp Gln Met Glu Thr Pro His Tyr His Val Val Arg Val Arg Lys	
119	725	730 735
120	Gly Glu Glu Thr Pro Thr Leu Ser Tyr Met Leu Pro Lys Leu His Glu	
121	740	745 750
122	Glu Ala Met Ala Leu Pro Ser Glu Glu Glu Phe Ala Glu Arg Lys Arg	
123	755	760 765
124	Pro Glu Gln Pro Ala Leu Ala Thr Phe Ala Met Pro Asp Val Pro Pro	
125	770	775 780
126	Ala Pro Thr Pro Ala Glu Pro Ala Ala Pro Val Val Ala Pro Ala Pro	
127	785	790 795 800
128	Lys Ala Ala Pro Ala Thr Pro Ala Ala Pro Ala Gln Pro Gly Leu Leu	
129	805	810 815
130	Ser Arg Phe Phe Gly Ala Leu Lys Ala Leu Phe Ser Gly Gly Glu Glu	
131	820	825 830
132	Thr Lys Pro Thr Glu Gln Pro Ala Pro Lys Ala Glu Ala Lys Pro Glu	
133	835	840 845
134	Arg Gln Gln Asp Arg Arg Lys Pro Arg Gln Asn Asn Arg Arg Asp Arg	
135	850	855 860
136	Asn Glu Arg Arg Asp Thr Arg Ser Glu Arg Thr Glu Gly Ser Asp Asn	
137	865	870 875 880
138	Arg Glu Glu Asn Arg Arg Asn Arg Arg Gln Ala Gln Gln Gln Thr Ala	
139	885	890 895

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RAW SEQUENCE LISTING  
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140      Glu Thr Arg Glu Ser Arg Gln Gln Ala Glu Val Thr Glu Lys Ala Arg
141      900                      905                      910
142      Thr Ala Asp Glu Gln Gln Ala Pro Arg Arg Glu Arg Ser Arg Arg Arg
143      915                      920                      925
144      Asn Asp Asp Lys Arg Gln Ala Gln Gln Glu Ala Lys Ala Leu Asn Val
145      930                      935                      940
146      Glu Glu Gln Ser Val Gln Glu Thr Glu Gln Glu Glu Arg Val Arg Pro
147      945                      950                      955                      960
148      Val Gln Pro Arg Arg Lys Gln Arg Gln Leu Asn Gln Lys Val Arg Tyr
149      965                      970                      975
150      Glu Gln Ser Val Ala Glu Glu Ala Val Val Ala Pro Val Val Glu Glu
151      980                      985                      990
152      Thr Val Ala Ala Glu Pro Ile Val Gln Glu Ala Pro Ala Pro Arg Thr
153      995                      1000                      1005
154      Glu Leu Val Lys Val Pro Leu Pro Val Val Ala Gln Thr Ala Pro Glu
155      1010                      1015                      1020
156      Gln Gln Glu Glu Asn Asn Ala Asp Asn Arg Asp Asn Gly Gly Met Pro
157      1025                      1030                      1035                      1040
158      Ser Phe Ser Pro Leu Ala Ser Ser Pro Ala Arg Lys Trp Ser Ala Ser
159      1045                      1050                      1055
160      Ser Ser Leu Ser
161      1060
162      <220>
163      <223> Description of Artificial Sequence: synthetic, no
164      natural origin
E--> 165      <400> 20
E--> 166      actgcgccat ggcttacagt atcact

E--> 167      <210> 21
168      <211> 72
169      <212> DNA
OK 170      <213> Artificial Sequence
171      <220>
172      <223> Description of Artificial Sequence: synthetic, no
173      natural origin
174      <400> 21
175      ccgtcagacg tcagaacctc cacctccact tccgcgcgct ccagttgcag gaccagaggt 60
176      ccaaaccaaa cc                                           72

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VERIFICATION SUMMARY  
PATENT APPLICATION US/09/419,788

DATE: 02/17/2000

TIME: 14:38:26

Input Set: I419788.RAW

Line ? Error/Warning

Original Text

19 E # of Seq. 163 Not Equal Actual 162	<160> 163
22 E Input 1060, Calc Seq.Length 3 differ	<211> 1060
165 E Sequence IDs 20 and 19 differ	<400> 20
166 E Wrong Amino Acid Designator	actgcgccat ggcttacagt atcact
166 E Wrong Amino Acid Designator	actgcgccat ggcttacagt atcact
166 E Wrong Amino Acid Designator	actgcgccat ggcttacagt atcact
167 E Seq.# 20 missing	<210> 21